

Supplementary Table S2.

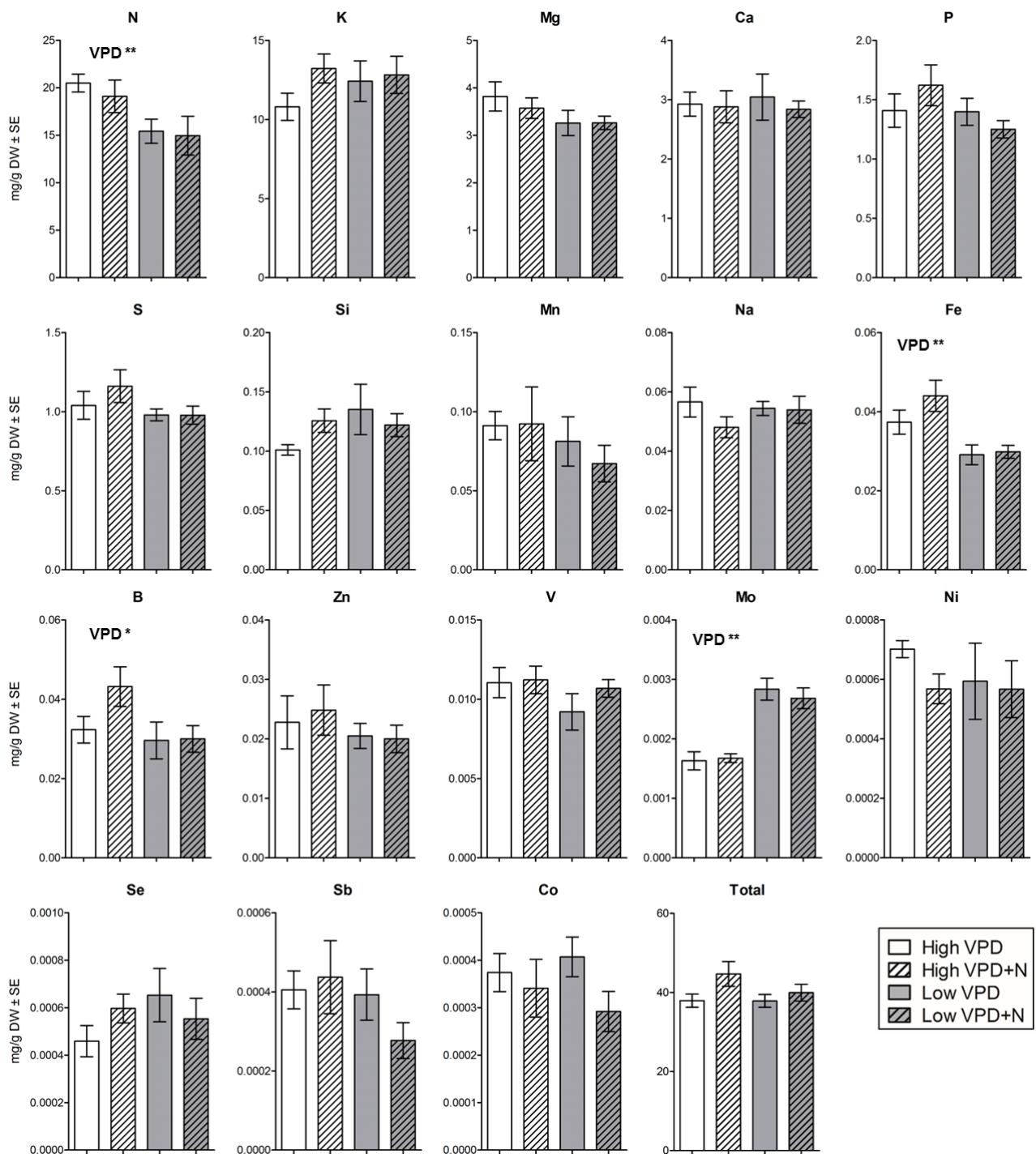
Primers used in quantitative real-time PCR. Tubulin primers are described in Ibrahim et al. (2010).

Reference genes	Sequence	amplicon length (bp)
actin (<i>B. pendula</i> EST)	F: GGATGGAAGCTGCTGGAATAC R: GTTGGAAAGGTGCTGAGAGAAG	258
Ubiquitin (<i>B. pendula</i> EST)	F: AGGTGGAGAGCTCCGATACC R: GATTGTGTCCGAGCTCTCAAC	251
Elongation factor 1α (<i>B. pendula</i> EST)	F: TCGACCACCACTGGTCATTG R: GCCTGTGAGGTACCGGTAAATC	266
α-Tubulin (AJ279695)	F: CGGTCGATGGAGCCTTGAA R: CATCAAGCAGCAAGCCATGT	228
Target genes		
Nia1 Nitrate reductase	F: CTCCAACGAGCACCATTGATG R: GCTAGCCTCTTGGCAAACTTG	226
NiR Nitrite reductase	F: ACTGGACAGGCTGTCCAAATAG R: CCCTTGGTACAGCTCCAAAATG	237
NRT Nitrate transporter	F: GCTGTTCTCATCACCAACATTG R: TCCAGAACCCACTAGGAAGAAC	255

Actin EST= *B. pendula* EST with a 99% identity to *B. platyphylla* actin (GenBank Acc HO112155)

Ubiquitin EST= *B. platyphylla* ubiquitin (HO112156)

Elongation factor 1α = Q9XEW9



Supplementary Figure S1. Mineral nutrient concentrations in new leaves as affected by VPD and N treatments. The leaves were harvested at day 26. Note different scales on x-axis. Data represented as mean \pm SE. n=3-6, two-way ANOVA ** p<0.01, *p<0.05